DISCLOSURES DOCKET

Philip Morris Incorporated
Privileged and Confidential

1 January 1983

Code 1 - Offensive/Urgent
Code 2 - Defensive/Urgent
Code 3 - Offensive/Normal
Code 4 - Defensive/Normal

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Source: https://www.industrydocuments.ucsf.edu/docs/qbj0000

653 FOAMED, EXTRUDED, TOBACCO-CONTAINING SMOKING ARTICLE AND METHOD OF MAKING SAME

G. Keritsis and W. Nichols
Tobacco Fundamentals/Watson/Turano

A substantially cylindrical foamed, extruded, tobacco-containing smoking article is provided which has properties substantially equivalent to those of a conventional cigarette and which contains from about 5 to about 98 wt. % of tobacco particles having a particle size of up to about 5 mesh, from 0 to about 60 wt. % of a filler having a particle size of up to about 5 mesh, from about 2 to about 40 wt. % of a cellulosic binder selected from the group consisting of hydroxypropyl cellulose, carboxymethyl cellulose, and its sodium, potassium and ammonium salts, cross-linked carboxymethyl cellulose, and its sodium, potassium, and ammonium salts, hydroxyethyl cellulose, ethyl hydroxyethyl cellulose, hydroxypropyl methyl cellulose, methyl cellulose, ethyl cellulose, and mixtures thereof, and from about 5 to about 20 wt. % water. The article has a density within the range of from about 0.05 to about 1.5 g/cc. The method of making such articles comprises the steps of (a) dry blending from about 5 to about 98 wt. % of the tobacco particles having an OV value of from about 3 to about 20%, with from 0 to about 60 wt. % of a filler and having a particle size of up to about 5 mesh, and from about 5 to about 40 wt. % of the cellulosic binder; then (b) admixing this dry blend with water to form a wet blend containing from about 15 to about 50 wt. % of water; then (c) extruding the wet blend under extrusion conditions of temperature and pressure such that as the wet blend is extruded the moisture in the blend is converted to steam thereby foaming the article.

Related to 641 and 1038; see also 689.

FILED Inskeep/F&N/Shaw

1-9-81	New examples received from inventor.
1-19-81	File reopened.
2-19-81	Further write-up received from inventor.
3-31-81	Further write-up received from inventor.
4-10-81	Disclosure materials to Depaoli for evaluation.
4-21-81	Disclosure materials returned by Depaoli--possible conflict of interest.
5-18-81	Recommend sending to F&N ASAP.
6-10-81	Discussed with F&N in connection with 1038, etc.
6-25-81	Disclosure to F&N for evaluation.
7-21-81	Disclosure to R&G.
11-11-81	Letter to Shaw: Keritsis believes we should proceed.
12-28-81	PM annual report 81-210 to F&N.
1-6-82	Brought up during Shaw visit here.
4-16-82	Conference with Shaw, Keritsis and Nichols. Latest update data promised.
6-29-82	Supplemental disclosure received.
8-23-82	Draft application received--to inventor for review.
10-11-82	Inventor's comments on draft received.
10-20-82	Comments/corrections to F&N.
10-26-82	Shaw conference with GEI to discuss revisions to draft.
12-16-82	Shaw conference with inventor.
11-23-82	Executed and mailed to F&N for filing.

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Source: https://www.industrydocuments.ucsf.edu/docs/qbj0000

779 MEANS TO MEASURE TOBACCO FIRMNESS ON CIGARETTE MAKER

J. Osmalov
Development Engineering/Mutter/Turano

A cigarette rod firmness control device has a firmness detector head comprising a differential transformer coupled to a detector shoe, which is biased toward and rides on a dynamically-flowing rod of tobacco. The detector shoe is displaced to and from the axial center lkine of the tobacco rod in response to the firmness of the rod, which is dependent on the rate of flow of tobacco into the rod forming garniture. The tobacco feed rate into the rod forming garniture is increased or decreased in response to signals generated by the level and the variations of rod firmness at the detector shoe to control rod firmness to within desired limits.

Note: See our 4033360 (Nienow et al.) and SN 226569 (Irving)

Gregory

5-25-77	Disclosure received. Given to G. Brandt.
2-8-80	Memos from Gannon to Palmer and Kothe re status.
2-12-80	GMJS expects to receive a written analysis/opinion from Brandt that this disclosure is anticipated.
3-7-80	Opinion received.
3-11-80	Inactivated pending further developments.
7-18-80	Reactivated, new information on its way.
7-21-80	New information received.
9-4-80	Need more details of short tongue construction.
11-5-80	New data not yet compiled--per C. Irving.
1-15-81	No new data at this time.
6-24-81	Instrumentation received and new design is in the making.
7-15-81	In-house search completed.
9-10-81	Experiments are successful; newest mode is in need of further evaluation in view of very close prior art.
12-17-81	Assigned to R&D docket for follow up.
7-15-82	Reassigned to Patent Staff docket.
8-9-82	Update search completed.

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Source: https://www.industrydocuments.ucsf.edu/docs/jqbj0000

933 SPIRAL-WOUND PACKED BED BIOCATALYTIC REACTOR

H. Bravo
Biomaterials/Whidby/Farone

The invention involves a spiral-wound packed bed reactor consisting of a tube containing a flexible foam which may be smooth or contain indentions. On this foam are adhered segmented packets of encapsulated microorganisms which perform specific biochemical reactions. The encapsulated cells are segmented to facilitate and control flow rates and prevent compaction.

Gregory/F&N/Haley
CODE I

11-2-79	Disclosure received—inventor notified.
12-79	Assigned to Hutcheson.
1-8-80	Discussed with inventor and manager. Must investigate prior art before processing.
2-11-80	Inventor to organize data for disclosure.
3-29-80	Met with Gillis of WLKT to discuss disclosure and state of the art.
7-22-80	Memo to inventor with copy of pertinent paper for review of data and other prior art papers; state of the art search on biocatalytic reactors requested.
8-1-80	Search results received. Several patents, numerous papers and thesis are of interest.
1-81	Gillis indicated she will have comments regarding all cases related to immobilization shortly.
4-81	Case placed on "hold".
5-18-81	Discussed with F&N.
6-29-81	Recommend sending to F&N for application preparation.
7-28-82	F&N asked for opinion on scope of patent protection obtainable.

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Source: https://www.industrydocuments.ucsf.edu/docs/jqbj0000

935 MATERIALS AND METHOD FOR THE MANUFACTURE OF PELLETS (PI)

H. Bravo
Biomaterials/Whidby/Farone

The invention is a method for producing pellets containing live microbial cells or active enzymes. To make the pellets, the cell or enzyme solution is reacted with celite 545 (filter aid), glutaraldehyde, and polyethyleneimine, which are added sequentially. The end product consists of highly permeable pellets in which the protein on the outer wall of the microorganism or on the enzyme has reacted with the polymeric ingredients added.

Gregory/F&N/Haley
CODE 2

11-5-79	Disclosure received--inventor notified.
12-79	Assigned to Hutcheson.
1-8-80	Discussed with inventor and manager. Must investigate prior art before processing.
3-5-80	State of the art search requested; papers sent to inventor for review.
3-29-80	Met with Gillis of WLKT to discuss disclosure and state of the art.
3-21-80	Questions on process to inventor.
7-24-80	Search results to inventor and Gillis; Gillis to determine patentability.
8-25-80	Discussed with Gillis during visit.
10-20-80	Celite info to Gillis.
1-81	Gillis indicated she will have comments regarding all cases related to immobilization shortly.
4-81	Case placed on "hold".
5-18-81	Discussed with F&N.
6-29-81	Recommend sending to F&N for application preparation.
7-28-82	F&N asked for opinion on scope of patent protection obtainable.

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Source: https://www.industrydocuments.ucsf.edu/docs/jqbj0000

936 MATERIALS AND METHOD FOR THE MANUFACTURE OF PELLETS (PI)

H. Bravo
Biomaterials/Whidby/Farone

The invention is a method for producing pellets containing live microbial cells or active enzymes. To make the pellets, the cell or enzyme solution is reacted with celite 545 (filter aid), glutaraldehyde, and polyethyleneimine, which are added sequentially. The end product consists of highly permeable pellets in which the protein on the outer wall of the microorganism or on the enzyme has reacted with the polymeric ingredients added.

Gregory/F&N/Haley
CODE 2

11-5-79	Disclosure received--inventor notified.
12-79	Assigned to Hutcheson.
1-8-80	Discussed with inventor and manager. Must investigate prior art before processing.
3-5-80	State of the art search requested; papers sent to inventor for review.
3-29-80	Met with Gillis of WLKT to discuss disclosure and state of the art.
3-21-80	Questions on process to inventor.
7-24-80	Search results to inventor and Gillis; Gillis to determine patentability.
8-25-80	Discussed with Gillis during visit.
10-20-80	Celite info to Gillis.
1-81	Gillis indicated she will have comments regarding all cases related to immobilization shortly.
4-81	Case placed on "hold".
5-18-81	Discussed with F&N.
6-29-81	Recommend sending to F&N for application preparation.
7-28-82	F&N asked for opinion on scope of patent protection obtainable.

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Source: https://www.industrydocuments.ucsf.edu/docs/jqbj0000

937 SAPONIFIED UNSATURATED FATTY ACIDS

H. Bravo
Biomaterials/Whidby/Farone

The invention is a method for producing pellets containing live microbial cells or active enzymes. To make the pellets the cell or enzyme solution is reacted with celite 545 (filter aid); saponified unsaturated fatty acids i.e. sodium oleate, linoleic acid, linoleic acid, Joy liquid soap, White Dive liquid soap, etc. and polyethyleneimine, which are added sequentially. The end product consists of highly permeable pellets in which the protein on the outer wall of the microorganism or on the enzyme has reacted with the polymeric ingredients added.

Gregory/F&N/Haley
CODE 2

11-5-79	Disclosure received—inventor notified.
12-79	Assigned to Hutcheson.
1-8-80	Discussed with inventor and manager. Must investigate prior art before processing.
3-5-80	State of the art search requested; papers sent to inventor for review.
3-29-80	Met with Gillis of WLKT to discuss disclosure and state of the art.
3-21-80	Questions on process to inventor.
7-24-80	Search results to inventor and Gillis; Gillis to determine patentability.
8-25-80	Discussed with Gillis during visit.
10-20-80	Celite info to Gillis.
1-81	Gillis indicated she will have comments regarding all cases related to immobilization shortly.
4-81	Case placed on "hold".
5-18-81	Discussed with F&N.
6-29-81	Recommend sending to F&N for application preparation.
7-28-82	F&N asked for opinion on scope of patent protection obtainable.

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Source: https://www.industrydocuments.ucsf.edu/docs/jqbj0000

943 RAPID REORDERING WITH AN APRON DRYER

F. King, Jr. and P. Sherman
Engineering/Kay/Taylor

A method and apparatus for drying tobacco and expeditiously reordering it to a desired moisture content immediately following the drying cycle. A shortened path tobacco dryer comprising a conveyor belt is made with a first stage heating section and a second stage cooling section. A third stage tobacco free fall area is provided where moisture is added on the fly after the tobacco is dropped from the belt at the end of the cooling section. The tobacco is made to fall in the form of a curtain of substantially single layered leaf or sheet through an aqueous mist where moisture is readily reabsorbed to reorder the tobacco.

Gregory

12-7-79	Disclosure received--inventors notified.
1-21-80	Assigned to Sarofeen.
2-80	PM data base search completed--results to inventors for review.
6-27-80	Disclosure sent to WLKT for preparation of application.
8-5-80	Disclosure and in-house search to WLKT.
9-4-80	Discussed with Brandt; meeting set for October.
10-22-80	Request from Brandt for more information--request forwarded to Kay and inventors.
12-8-80	Additional info to Brandt.
1-15-81	Draft expected soon.
5-18-81	Sarofeen to complete WLKT draft application.
7-10-81	Reassigned to JES.
8-81	Application redrafted, claims drafted; to be put in final form.
10-1-82	Reassigned to DAG.

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Source: https://www.industrydocuments.ucsf.edu/docs/qbj0000

950 APPLYING ADHESIVE TO TIPPING PAPER

F. Sherwood and T. Van Auken (Manufacturing)
Tobacco Fundamentals/Watson/Turano

Adhesive can be applied to tipping paper in a skip-tip pattern using nozzles with a steady flow. This can be achieved by either of two methods. Method A: A masking belt, with the intermittent part of the skip-tip pattern cut in it as openings, passes between a set of nozzles and the tipping paper. The masking belt is then drawn away, and a second set of nozzles completes the skip-tip pattern by applying adhesive to areas requiring an uninterrupted laydown of adhesive. Method B: The skip-tip pattern is obtained by spraying a stream of adhesive droplets through an electrical system which puts a charge on the droplets, and then deflects the droplets from the paper where dry areas are required using an electric field.

Gregory
CODE 2

2-1-80	Disclosure received--inventors notified.
3-14-80	Disclosure sent to WLKT for application preparation.
3-19-80	In-house search completed--results to inventors/Kothe.
6-20-80	Remarks from T.V. on search.
1-14-81	Outside search completed; questions being readied by WLKT.
3-23-81	Letter to WLKT stating that we would like to take this case off their hands unless they have a draft nearly finished.
3-27-81	Search results received.
5-18-81	Recommend sending to F&N ASAP.
9-81	Reassigned to Schardt.
10-1-82	Reassigned to Gregory.

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Source: https://www.industrydocuments.ucsf.edu/docs/jqbj0000

986 POWER METER

E. Stultz (Louisville), M. Barnette, W. Smick
Engineering//Taylor/Kay

Object: Power will be maintained at a given level without variation concerns due to line voltage changes, gas flow changes, and/or any fluctuations in other laser parameters including environmental conditions. Description: Use of a Power Meter output from an end mirror type to feed an electronic signal to increase or decrease laser power to a present level and thereby maintain and control laser output power. With this device a detector of holes in a web of laser perforated paper can be used to accurately control the quality and/or pressure drop of holes laser perforated into the web of paper by feeding back this signal to control the stabilized laser power.

Sarofeen/F&N/Diana

9-9-80	Disclosure received--inventors notified.
1-21-81	Disclosure to WLKT for application preparation.
3-23-81	WLKT instructed not to do any further work on this case.
5-18-81	Recommend sending to F&N ASAP.
9-9-81	Disclosure to F&N for application preparation.
11-3-81	Additional disclosure materials to F&N.
5-25-82	Additional disclosure materials to F&N.
9-13-82	Search completed--to inventors for review.

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995 LASER TEMPERATURE STABILIZATION AND DEW POINT CONTROL SYSTEM

E. Grollimund
Engineering/Tew/Taylor/Kay

A method of increasing laser power output per unit of input power by controlling and adjusting air humidity and temperature and oil temperature.

Sarofeen

9-23-80	Disclosure received--inventor notified; assigned to Sarofeen.
1-15-81	996 combined herewith.
1-21-81	Disclosure to WLKT for application preparation.
3-23-81	WLKT instructed not to do any further work on this case.
5-18-81	For discussion with F&N.
10-2-81	US 4286604 to Shaw.
1-5-82	Under study to determine advisability of filing.
2-82	GMJS to review.
11-4-82	K&S requested to do patentability search.
12-15-82	Search results received.

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Source: https://www.industrydocuments.ucsf.edu/docs/jqbj0000

998 METHOD FOR CAPTURING AND UTILIZING LASER ENERGY

E. Grollimund
Engineering/Kay/Taylor

An apparatus is disclosed for chopping a beam of radiant energy into three or more pulse trains propagating in different directions. The apparatus includes a disc rotating in a plane normal to the incident beam, having a circular pattern of reflective and transmissive portions. The reflective portions include first and second sets of surfaces inclined respectively at first and second oblique angles to the plane of the disc, for reflecting energy in first and second directions.

Sarofeen/F&N/Diana

FILED	10-4-80	Disclosure received--inventor notified.
	1-12-81	Combined with PM 972.
	7-28-82	Split back into single case.
	9-27-82	Draft application received; to inventor for review.
	11-2-82	Executed and mailed to F&N for filing.

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1007 MANUFACTURE OF FLUTED PLUGS

A. Gillespie, K. Stover, and W. Sanderson
Engineering/Kay/Taylor

The invention is the addition of a system of rollers to a filter making machine to deform an otherwise round plug into a desired shape.

Related to 1001; see also 1033, 1034, 1035 (FTR).

Gregory/F&N/Diana

12-10-80	Disclosure received--inventors notified.
1-21-81	Disclosure to WLKT for application preparation.
3-23-91	WLKT instructed not to do any further work on this case.
5-18-81	For discussion with F&N re Barclay situation.
6-24-81	Needs to be coordinated with other Barclay-type cases.
8-21-81	To proceed in view of decision to file PM 1001 in U.S.
1-5-82	Recommend sending to F&N for application preparation.
8-27-82	In-house update search completed.
9-17-82	Notebook transcripts to F&N.

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Source: https://www.industrydocuments.ucsf.edu/docs/jqbj0000

1018 A MECHANICAL TOBACCO PROCESSOR

I. Uydess
Biomaterials/Whidby/Farone

A mechanized tobacco processor for the preconditioning, infiltration, heating and/or "expansion" of tobacco under constant temperature, RH, etc. within a closed circular "tower" similar in configuration to a "cyclotron."

Inskeep/F&N/Shaw
CODE I

2-19-81	Disclosure received--inventor notified.
2-25-81	Disclosure to WLKT for application preparation.
5-18-81	Recommend sending to F&N ASAP.
9-11-81	Inventor leaving company; he discussed with F&N. They will proceed to prepare application.
1-82	F&N attorney needs to consult with engineers here.
1-18-82	Memo from SAH to Merritt & Lilly: review disclosure with view towards rendering engineering advice to F&N.
7-8-82	Prototype apparatus being built.

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1023 TOBACCO CUTTER DIAMOND PATTERN

R. Lanier and R. DeVilbiss
Engineering/Kay/Taylor

A diamond pattern tobacco cutter designed to replace the thresher used in the RL plant or the slitter-cutter used in the BL plant. Use of two rollers, one with helical blades and the other with mated helical grooves are used to achieve uniformity in size, to produce a smooth edge when cut, to minimize scrap, and to reduce operational cost.

Blish/F&N

2-25-81	Disclosure received--inventors notified.
9-18-81	Prototype installation in about 3 weeks.
10-1-81	In-house search completed.
4-22-82	Search results to inventors for review.
4-28-82	Prior art discussed with inventors.
9-30-82	Disclosure to F&N for evaluation and application preparation.

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Source: https://www.industrydocuments.ucsf.edu/docs/jqbj0000

1024 ROTARY SAW BLADE SHEET CUTTER

R. Thatcher and J. Tomanovits
Engineering//Kay/Taylor

A method and apparatus are disclosed for shredding reconstituted tobacco sheets, wherein the sheet is first slit longitudinally, and then cut off transversely by means of bringing the points of a serrated blade into contact with the slit sheet at an angle to penetrate the sheet, and then moving the blade to tear off the portion of the sheet between the point of penetration and the end of the sheet. This produces much more uniform shreds, with less dust and shattering, than has hitherto been possible.

Related to 1055, 1075, 1076, 1068

Sarofeen/F&N/Diana

2-25-81	Disclosure received--inventors notified.
4-12-81	Outside search requested of Kirk & Smith.
6-1-81	Search results received.
6-8-82	Conference with Diana and inventors.
6-11-82	Disclosure to F&N for application preparation.
7-1-82	Additional info to F&N.
10-14-82	Letter from Diana requesting additional information; communicated to Kay.
12-8-82	Draft application received.

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Source: https://www.industrydocuments.ucsf.edu/docs/jqbj0000

1027 PROCESS FOR INCREASING THE FILLING POWER OF TOBACCO

N. Rainer
Tobacco Fundamentals/Watson/Turano

A process for increasing the filling power of tobacco by contacting tobacco with at least one basic calcium compound in an amount such that the treated tobacco has a pH of at least about 8, and heating the tobacco in the presence of sufficient atmospheric moisture to establish and maintain its OV value within the range of from about 14% to about 40% and at a temperature and for a time sufficient to increase the filling power of the tobacco. Dry blending is the preferred method of contacting. As an additional first step, the tobacco may be contacted with an acid to achieve a tobacco product of lighter color.

Related to 983.

Inskeep/F&N/Shaw

3-4-81	Disclosure received--inventor notified.
1-82	Inventor pursuing.
2-5-82	Transferred to R&D docket.
5-6-82	Supplemental disclosure submitted to patent staff.
5-11-82	Disclosure to F&N for consideration as to whether there is any basis for preparation of a new application as it may bear on other work.
6-1-82	Copy of PM 983 to Shaw.
6-21-82	Copy of PM 774 and 797 to Shaw.
8-23-82	Draft application received--to inventor for review.
10-21-82	Comments/corrections to F&N.
10-26-82	Shaw conference with GEI to discuss proposed revisions to draft.
12-16-82	Redraft received.
12-22-82	Memo from SAH re related disclosures.

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Source: https://www.industrydocuments.ucsf.edu/docs/fqbj0000

1052 POSITIVE PLUG FEED APPARATUS

M. Barden, W. Pettigrew, A. Collins
Engineering/Kay/Taylor

A positive plug feed apparatus is disclosed wherein an upper lug belt and lower lug belt form an inclined expanding throat which forces filter plugs into a reservoir. The incline of the throat is such that the filter plugs enter the reservoir along the shear lines of the stacked filter plugs and reservoir thus reducing the force necessary to push new filter plugs into the partially full reservoir.

FILED Blish

6-26-81	Disclosure received--inventor notified.
8-29-81	In-house search completed.
4-2-82	Disclosure reviewed with inventors.
4-7-82	Additional disclosure material received.
5-24-82	Prior art to Kay for review by inventors.
6-7-82	Drawings sent to Development Engineering for completion.
6-8-82	First draft to Kay for review by inventors.
7-28-82	Drawings to Kay for review by inventors.
10-19-82	Redraft received--to Kay for review by inventors.
10-26-82	Executed and mailed to PTO.

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Source: https://www.industrydocuments.ucsf.edu/docs/qbj0000

1055 ROTARY CHEVRON SHEET CUTTER

M. Anderson and R. Thatcher
Engineering/Kay/Taylor

A method and apparatus for cutting sheet material such as reconstituted tobacco sheets into shards of substantially regular form. A multi-chevron shaped plate-like cutter bar comprises an obverse cutting edge of alternative peaks of 90° angles and valleys of 90° angles, and an oppositely formed reverse cutting edge of similar complementary arrangement with the peaks of the reverse cutting edge positioned opposite to the valleys of the obverse edge and the valleys of the reverse cutting edge positioned opposite to the peaks of the obverse cutting edge. The plate-like cutter is mounted for rotation on an axis through the length of the plate along its center line parallel to and midway of the obverse and reverse cutting edges.

Related to 1023, 1024, 1075, 1076, 1068, 1082

Sarofeen/F&N/Diana

7-1-81	Disclosure received--inventors notified.
1-5-82	Possible conflict with PM 1023.
3-3-82	Disclosure reviewed with Kay; he requested that we conduct search.
5-21-82	K&S requested to do search.
6-3-82	Search results received.
6-8-82	Conference with Diana and inventors.
6-11-82	Disclosure to F&N for application preparation.
7-1-82	Additional info to F&N.
10-14-82	Letter from Diana requesting additional information; communicated to Kay.

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1056 TOBACCO DRYING

D. Lowitz and J. Crump
Biomaterials/Whidby/Farone

Blish
CODE 2

7-1-81	Disclosure received--inventors notified.
7-10-81	Discussed with inventor Crump; 7-13 discussed with inventor Lowitz.
10-1-82	Reassigned to Blish.

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Source: https://www.industrydocuments.ucsf.edu/docs/jqbj0000

1062 LASER MICROMETER CIRCUMFERENCE GAUGE

W. Nichols
Cigarette Development/Meyer/Gauvin

The object of the invention is to provide a uniform force on the exterior of a compressible cylindrically shaped article that will preclude the sensing of surface irregularities on the cylinder while being measured.

Blish

7-14-81	Disclosure received--inventor notified.
9-17-81	Discussed with inventor.
10-1-82	Reassigned to Blish.

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1064 TRANSFER DEVICE

J. Wheless
Engineering/Kay/Taylor

This device is comprised of pockets (supplied with vacuum) attached to two rotating plates. These plates are rotating about offset center lines. The pockets are held to the plates with a pair of pivots op° to each other. There is a pair of these pivots at each end of the pockets, which connect the pockets to both plates. The plates are both driven independently at the same speed to reduce the forces on the pivots. As the plates rotate, the pockets are forced to remain parallel and continue facing the outside of the device. This facing the outside allows the product to be picked up or discharged at any point. Remaining parallel allows the product to be transferred from one location to another, or change the direction of movement without changing the product orientation.

Sarofeen

7-20-81	Disclosure received--inventor notified.
10-1-82	Reassigned to Sarofeen.

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Source: https://www.industrydocuments.ucsf.edu/docs/jqbj0000

1068 LEAF STRIPPER DRUM WITH OVERHEAD DIVERGING STRIPPER CHAINS

F. King, R. Thatcher and M. Anderson
Engineering/Hayward/Kay/Taylor

Object: the invention is intended to strip lamina from stem on whole leaf tobacco while increasing lamina size and reducing (a) degradation, (b) dust generation, (c) lamina tearing, and (d) power requirements per pound processed.

Related to 1024, 1055, 1075, 1076

Gregory/F&N/Diana

7-23-81	Disclosure received--inventor notified.
6-2-82	In-house search completed.
9-8-82	Disclosure to Diana for consideration.

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1075 CUT TOBACCO PICKER FOR SIZING AND SEPARATING

R. Thatcher and L. Turano
Engineering/Hayward/Pasquine/Kay

Object of the invention is to take a feed or pile of whole cut leaf tobacco and end up with a sized, separated, usable filler.

Related to 1024, 1055, 1076, 1068

Sarofeen/F&N/Diana

8-7-81	Disclosure received--inventors notified.
3-3-82	Transferred to Engineering docket.
6-8-82	Conference with Diana and inventors.
6-11-82	Disclosure to F&N for application preparation.
7-21-82	Proposed claims received.
7-30-82	Letter to F&N: claims OK; will conduct search.
9-10-82	In-house search completed.
10-15-82	Search results to Diana.
11-24-82	Letter from Diana confirming that we will send additional information as work progresses.

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Source: https://www.industrydocuments.ucsf.edu/docs/jqbj0000

1076 LEAF STRIPPER PLATTEN WITH OVERHEAD DIVERGING STRIPPER CHAINS

F. King and R. Thatcher
Engineering/Hayward/Taylor/Kay

Object: the invention is intended to strip lamina from stem on whole leaf tobacco while increasing lamina size and reducing (a) degradation, (b) dust generation, (c) lamina tearing, and (d) power requirements per pound processed.

Related to 1024, 1055, 1075, 1068

Gregory/F&N/Diana

8-7-81	Disclosure received--inventors notified.
6-2-82	In-house search completed.
8-5-82	Disclosure to F&N for application preparation.

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1077 INFINITELY VARIABLE DELIVERY FILTER

J. Adams
Engineering/Hayward/Taylor/Kay

Blish

8-1-81	Disclosure received--inventors notified.
12-15-82	In-house search completed; results to inventor for review.

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1078 INTERRUPT AND DIVIDE A LASER BEAM

R. Brinker
Engineering/Taylor/Kay

Sarofeen/F&N/Giannetti

8-7-81	Disclosure received--inventors notified.
3-3-82	Disclosure reviewed with Kay; he requested that we conduct search.
6-11-82	K&S requested to conduct search.
7-9-82	Search results received.
8-5-82	Disclosure to F&N for application preparation.
8-12-82	Giannetti conference with inventor.
10-22-82	Letter from Giannetti with pertinent art.
11-2-82	F&N instructed by phone to proceed with application preparation.

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0000015326

Source: https://www.industrydocuments.ucsf.edu/docs/jqbj0000

1079 FLUIDIZED BED VIBRATORY SEPARATOR

R. Thatcher and L. Turano
Engineering/Hayward/Pasquine/Kay

Object of the invention is to effect a separation of tobacco filler from stem or, or laminate leaf from laminate and stem.

Sarofeen/F&N/Diana

8-7-81	Disclosure received--inventors notified.
3-3-82	Transferred to Engineering docket.
6-8-82	Conference with Diana and inventors.
6-11-82	Disclosure to F&N for application preparation.
7-21-82	Proposed claims received.
7-30-82	Letter to F&N: claims OK; will conduct search.
9-10-82	In-house search completed.
10-15-82	Search results to Diana.
11-24-82	Letter from Diana confirming that we will send additional information as work progresses.

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1082 CONTROLLED TOBACCO SIZE

C. Wood
Tobacco Product Standards/Bates

A rotor/cutting device designed to produce a size controlled tobacco material to provide overall larger tobacco pieces from either tobacco leaf or tobacco sheet material in tobacco stemming and tobacco sheet processing.

Related to 1055, 1023

Blish/F&N

8-11-81	Disclosure received--inventors notified.
9-30-82	Disclosure to F&N for evaluation and application preparation.

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ϕ00015327

Source: https://www.industrydocuments.ucsf.edu/docs/jqbj0000

1083 PROCESS FOR MAKING A CARBON HEAT SOURCE AND SMOKING ARTICLE INCLUDING THE HEAT SOURCE AND A FLAVOR GENERATOR

J. Hearn, H. Lanzillotti, and G. Burnett
Flavor Development/Daylor/Meyer

The present invention relates to a process for producing a tasteless carbon heat source from a preformed article of a ligno-cellulosic material according to which the article is pyrolyzed in a continuously exchanged inert atmosphere at a temperature within the range of from about 800° to about 1100°C, for from about 0.5 to about 3 hours, then cooled in the inert atmosphere at a rate of from about 500° to about 10°C per hour to a temperature within the range of from about 275°C to about 25°C, and then subjected to at least one additional process step selected from an oxygen absorption step, a salt impregnation followed by heat treatment step, and a water desorption step. The present invention also relates to a smoking article including the carbon heat source, and a flavor generator comprising a substrate material containing at least one thermally releasable flavorant.

FILED Gregory/F&N/Shaw

8-14-81	Disclosure received--inventors notified.
10-6-81	Shaw indicated he is waiting for more info from inventor.
11-12-81	Phone conference between Shaw and Hearn to discuss approaches and experiments.
4-16-82	Shaw conference with Hearn and Burnett; copies of PM 955 and 990 to Hearn at Shaw's request.
7-13-82	Draft application received--to inventors for review.
7-14-82	Shaw conference with inventors.
8-9-82	Additional examples to F&N.
9-29-82	Shaw conference with inventors.
10-21-82	Redraft received.
10-26-82	Shaw conference with inventors to review draft.
11-15-82	Redraft received--to inventors for review.
12-10-82	Executed and mailed to F&N for filing.

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ϕ0000015328

Source: https://www.industrydocuments.ucsf.edu/docs/jqbj0000

1085 PROCESS FOR INCREASING THE CYLINDER VOLUME

E. Mooz
Biomaterials/Whidby/Farone

This invention relates to a process for increasing the cylinder volume of cut filler using radiant heat treatment. Samples of blended cut filler, bright cut filler, or burley cut filler at different initial moisture levels with no puffing agent were thermally treated by a series of ten, 2500 watt radiant heat lamps for 4 to 10 seconds using a microprocessor controlled program. After thermal treatment, the samples were reequilibrated and submitted for CV/OV determinations. The OV values were not significantly changed, but the CV values were increased by 5% to 12%, depending upon the degree of thermal treatment.

Related to 1048

INACTIVE Inskeep/F&N/Shaw
Code I

11-4-81	Disclosure received--inventor notified.
12-15-81	F&N has copy of disclosure.
5-5-82	Letter from Shaw asking for instructions.
5-10-82	Shaw instructed by phone to proceed with application preparation.
7-23-82	Letter from Shaw suggesting re-evaluation of decision to file.
10-26-82	Shaw conference with AIP, GEI, SAH, Farone; inactivated.

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1087 PROCESS IDENTIFICATION AND CONTROL

E. Grollimund
Engineering/Taylor/Kay

This is a spray function to first spray glue onto paper followed by an ink spray. It is designed to mark the point on a bobbin of cigarette paper which is undergoing perforation to show where high speed, normal perforation began.

Sarofeen

11-16-81	Disclosure received--inventor notified.
3-3-82	Disclosure reviewed with Kay; he requested that we conduct search.
3-30-82	In-house search completed; search requested from K&S.
4-30-82	K&S search results received.

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0000015329

Source: https://www.industrydocuments.ucsf.edu/docs/jqbj0000

1092 AIR-CURED BRIGHT TOBACCO FILLER, BLENDS AND SMOKING ARTICLES

D. Teng
Biomaterials/Whidby/Farone

A novel tobacco for smoking articles which is an air-cured bright tobacco harvested by stalk cutting, priming, or a combination of partial priming followed by stalk cutting, and characterized by a total reducing sugar content within the range of from 0 to about 6%, a chlorogenic acid content within the range of from 0 to about 0.4%, a rutin content within the range of from 0 to about 0.2%, a hot water solubles content within the range of from about 45 to about 55%, a total ash content within the range of from about 12 to about 26%, a combined proline and threonine content within the range of from 0 to about 1 mg/g, a combined aspartic acid and asparagine content within the range of from about 0.5 to about 7 mg/g, and a combined glutamic acid and glutamine content within the range of from about 0.5 to about 1.6 mg/g; all measurements being on a dry weight basis. This novel tobacco, when formulated as a smoking article, such as a cigarette, and smoked, presents the aroma and taste of a blended tobacco smoking article and may be substituted in whole or in part for burley tobacco in blended tobaccos while substantially maintaining the subjective qualities of the burley tobacco and yet, as compared to the burley tobacco-containing blends, provides a reduced NO content in the smoke.

FILED Inskeep/F&N/Shaw

1-7-82	Disclosure received--inventor notified; in-house search completed.
7-20-82	Supplemental disclosure received.
8-6-82	First draft completed--to inventor for review.
8-12-82	Shaw conference with inventor; he will redraft application.
9-23-82	Redraft received--to inventor/management for review.
9-30-82	Shaw conference with inventor/management.
10-6-82	Redraft received.
10-26-82	Shaw conference with AIP, GEI, SAH, and Farone to discuss revisions.
11-4-82	Redraft received--to SAH for review.
11-24-82	Executed and mailed to PTO.

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0000015330

Source: https://www.industrydocuments.ucsf.edu/docs/jqbj0000

1093 TAR DELIVERY CIGARETTE

W. Geiszler
Cigarette Development/Gauvin/Meyer

The invention is a variable FTC tar delivery cigarette based on the use of a porous tipping paper. The smoker can manipulate the cigarette in such a way as to make it have any one of many FTC tar deliveries when smoked by the FTC smoking procedure. The tar variation is achieved by varying filter dilution by sliding a non-porous ring tipping to various positions over a porous tipping. The porous tipping could be perforated also to allow for higher filter dilution levels than achieveable with the porous tipping itself.

Related to 999

INACTIVE Blish

1-25-82	Disclosure received--inventor notified.
3-26-82	Search requested.
4-23-82	In-house search completed.
7-9-82	Search results to inventor for review; discussed with inventor, new disclosure to be submitted.
11-5-82	Memo to inventor: inactivated--close art.

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1097 PVA ENCAPSULATION

R. Newsome, R. Thesing, W. Houck, W. Nichols
Cigarette Development/Gauvin/Meyer

This is a system in which menthol or other volatile flavors are dissolved in a stock solution of ethanol and/or ethanol and triacetin and mixed between 2 and 4 parts PVA with one part of the stock solution. The dry film then releases the flavor when activated with moisture.

Gregory

3-16-82	Disclosure received--inventors notified.
3-30-82	In-house search completed--to inventors for review.
4-5-82	Search results to inventors for review.
4-20-82	Discussion with Newsome and Thesing re references and present work; they will send more information.
10-22-82	Reassigned to DAG.

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Q0001533

Source: https://www.industrydocuments.ucsf.edu/docs/jqbj0000

1099 DRAW ROLLER TOBACCO LEAF SIZING APPARATUS

R. Thatcher, F. King, W. David
Engineering/Kay/Taylor

Gregory

7-15-81	Disclosure submitted to Patent Staff for review.
10-12-81	In-house search completed.
3-26-82	Disclosure file opened.

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1100 APPARATUS FOR A CIGARETTE PACKING MACHINE

M. Juillerat
FTR

A conveyor with a conveying track in the form of a semi-circular arc, along which inner collars with upright tabs are guided driven by revolving conveyor belts, is used for the transfer of prestamped prefolded inner collars for cigarette packs.

Blish

5-14-82	Disclosure file opened.
7-19-82	Letter to Mandiratta with questions concerning aplication; Jim Kay asked to recommend someone in Engineering to bring NAB up to date on this technology.
12-23-82	Application to FTR for execution.

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1101 APPARATUS FOR HANDLING PACKED GOODS

M. Berger, J. Bernasconi, and M. Juillerat
FTR

Apparatus capable of controlling the handling of cases of cigarettes and, more precisely, their arrangement on standard pallets used for shipping.

Gregory

5-14-82	Disclosure file opened.
10-19-82	Letter to Mandiratta requesting certified copy and inventor particulars.
11-22-82	Letter from Mandiratta enclosing certified copy and inventor particulars.

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0000015332

Source: https://www.industrydocuments.ucsf.edu/docs/jqbj0000

1102 DEVICE FOR SUPPLYING A MACHINE WITH RIGID ELEMENTS

M. Berger, D. Da Silva, and M. Juillerat
FTR

This invention relates to a device for supplying a machine with rigid elements having the shape of segments of bars.

Gregory

5-14-82	Disclosure file opened.
10-19-82	Letter to Mandiratta requesting certified copy and inventor particulars.
11-22-82	Letter from Mandiratta enclosing certified copy and inventor particulars.

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1103 FILTER MATERIAL FOR REDUCTION OF NOx

R. Rainer and C. McClung
Tobacco Fundamentals/Watson/Turano

A composition for filtration of NO from tobacco smoke, effective after storage in the presence of the volatile components of tobacco and moisture, comprising, by weight of the total composition, from about 5% to about 40% $NaMnO_4$, from about 0.5% to about 6% colloidal silica, from about 40% to about 90% silica gel and from about 4% to about 30% H_2O, the colloidal silica having an average particle size of from about .004μ to about .010μ and a surface area of from about 200 m^2/g to about 500 m^2/g, and the silica gel having a granule size of from about 20 to about 100 mesh and an initial pore volume of from about 0.9 cc/g to about 1.4 cc/g. Alumina gel may be used in place of part of the silica gel in order to reduce the temperature of the smoke.

Inskeep/F&N/Shaw

5-6-82	Disclosure received--inventors notified.
5-27-82	Disclosure to F&N for consideration as to whether there is any basis for an application.
11-5-82	Draft application received--to SAH for review.
12-28-82	Comments/corrections to F&N.

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ϕ00001533

Source: https://www.industrydocuments.ucsf.edu/docs/jqbj0000

1105 LONG CHAIN ALKYL AND ALKENYL ESTERS OF OXOCARBOXYLIC ACIDS

D. Williams, E. Southwick, and W. Edwards III
Chemical Research/Osdene/Sanders

This invention describes a novel class of long chain alkyl and alkenyl esters of oxocarboxylic acids which act as tobacco flavorants.

Gregory/D&O

6-10-82	Disclosure file opened.
6-16-82	Disclosure to D&O with request to perform patentability search and advise scope of patent protection obtainable.
7-27-82	Search results received--to inventors for review with request for additional information; D&O instructed to draft application.
9-14-82	Japanese article to D&O for consideration.
9-17-82	Letter from D&O recommending meeting to discuss the invention.
10-6-82	Memo to inventors re Japanese article.
10-14-82	Depaoli conference to discuss case.
11-16-82	Memo to SAH asking her to ascertain plans for future work on this case; she says work progressing.

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1106 LIQUID DISTRIBUTION DEVICE

J. Brosy
FTR

The invention provides a liquid distribution device for use in, for example, extraction beds. The device comprises an elongate chamber or hollow arm defined by two plates, a cylinder closed at one end by a wall and opening at the other end into the chamber through one of the plates and a pipe opening tangentially into the cylinder. Liquid enters the cylinder through the pipe, and flows around the side wall of the cylinder and impinges upon the opposed plate of the chamber, where it is spread along the plate and leaves through the slot between inclined portions of the plates.

Gregory

7-9-82	Disclosure file opened.
10-19-82	Letter to Mandiratta requesting certified copy and inventor particulars.
11-22-82	Letter from Mandiratta enclosing certified copy and inventor particulars.

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p000015334

Source: https://www.industrydocuments.ucsf.edu/docs/jqbj0000

1107 BREATH FRESHNER CIGARETTE

R. Newsome, R. Thesing, W. Houck, and W. Nichols
Cigarette Development/Gauvin/Meyer

A cigarette which releases a flavor on or near the last puff to produce a cooling or refreshing sensation in the mouth.

Gregory
3-26-82 Disclosure submitted to Patent Staff for review.
7-15-82 Disclosure file opened.
7-27-82 In-house search completed.

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1108 FLAVORANTS FOR SMOKING PRODUCTS

R. Cox
Analytical/Kuhn/Farone

The heating of a sugar with ammonium hydroxide is known to produce compounds identical to those formed in the nonenzymatic browning reaction and are thought to be responsible for the roasted aroma of many foods. We have discovered that a stable intermediate is formed in these reactions. Isolation and characterization of these intermediates suggest that they are the pyranose form of the imine of the ammonia addition product. Preliminary tests suggest that the intermediate isolated from glucose and ammonium hydroxide may be a useful tobacco flavorant, imparting a Burley characteristic to test cigarettes.

Inskeep
7-9-82 Disclosure submitted to Patent Staff for review.
7-16-82 Disclosure file opened.

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1109 USE OF LIQUID CARBON DIOXIDE

T. Howell
Beverage R&D/Assar

Inskeep
7-27-82 Disclosure file opened.
8-14-82 In-house search completed.

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ϕ00001533S

Source: https://www.industrydocuments.ucsf.edu/docs/qbj0000

1113 REDUCTION OF FILLER IN WRAPPER TO REDUCE VISIBLE SIDESTREAM

K. Gunst, B. Goodman, and R. Greene
Cigarette Development/Gauvin/Meyer

Use of lower amounts of fillers (usually calcium carbonate) in cigarette wrapper for the purpose of reducing the visibility of sidestream smoke. A 7.5% calcium carbonate filler level will give a 20% reduction by light extinction methods.

Blish/F&N/Shaw

7-2-82	Disclosure submitted to Patent Staff for review.
8-4-82	Disclosure file opened; disclosure to F&N for application preparation.
8-12-82	Shaw conference with inventors.
12-14-82	Draft application received--to inventors for review.

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1114 CIGARETTE WITH SELECTABLE DILUTION LEVEL

E. Grollimund
Engineering/Kay/Taylor

The scope of this invention depicts a cigarette with annular rows of perforations and a cigarette sleeve which provides preset positioning of said sleeve or sleeves relative to the rows of perforations so as to cover or leave uncovered annular rows of perforations and in so doing provide, for example, 5 levels of dilution when 4 rows of perforation are used, etc.

Sarofeen

8-9-82	Disclosure file opened.

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1115 ROTARY LEAF STRIPPER WITH CONCAVE PLATEN

F. King and R. Thatcher
Engineering/Kay/Taylor

Object: the invention is intended to strip lamina from stem on whole leaf tobacco while increasing lamina size and reducing degradation, dust generation, lamina tearing, and power requirements per pound processed (as compared with present practices).

Sarofeen

7-8-82	Disclosure submitted to Patent Staff for review.
8-9-82	Disclosure file opened.

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bj0001536

Source: https://www.industrydocuments.ucsf.edu/docs/jqbj0000

1116 WHOLE TOBACCO LEAF INDEXING AND ORIENTING ROLL

F. King and M. Maher
Engineering/Kay/Taylor

Object: the invention is intended to orient and index cured, whole leaf tobacco that has been aligned with the stems' axes parallel to each other and perpendicular to conveyor travel.

Sarofeen
7-8-82 Disclosure submitted to Patent Staff for review.
8-9-82 Disclosure file opened.

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1117 WHOLE LEAF INDEXING AND ORIENTING RAKE

F. King and M. Christy
Engineering/Kay/Taylor

Object: the invention is intended to orient and index cured, whole leaf tobacco that has been aligned with the stems' axes parallel to each other and perpendicular to conveyor travel.

Sarofeen
7-8-82 Disclosure submitted to Patent Staff for review.
8-9-82 Disclosure file opened.

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1118 MULTIPLE DRAPING LEAF ALIGNMENT APPARATUS

F. King and S. Muller
Engineering/Hayward/Kay/Taylor

Object: to align the leaves of whole leaf tobacco so that the stems axes are parallel to each other and perpendicular to conveyor travel.

Sarofeen
7-8-82 Disclosure submitted to Patent Staff for review.
8-9-82 Disclosure file opened.

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Φ0000015337

Source: https://www.industrydocuments.ucsf.edu/docs/jqbj0000

1119 TOBACCO CONVEYING AND TREATING SYSTEM

R. Wraase and W. Jenkins
Westab/Buchanan

This invention replaces conventional rubber belting with a polyester fabric which is opened weave. Tobacco conveyed with this fabric should show improved quality for the following reasons: (1) the product being carried on the belt releases easily from the surface thus aids in cleaning by eliminating build-up problems inherent with belt transference; and (2) a reduction in tobacco fines is possible since the fabric breathes and rejects undesirable fines.

Sarofeen
8-16-82 Disclosure file opened.

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1120 PRODUCTION OF JUICE CONCENTRATES

W. Winterson
Beverage R&D/Assar

A process for the production of juice concentrates containing pulp or other particulates whereby the particulate material is removed by ultrafiltration (or other means) from the stream prior to concentrate. The clarified stream, which is sterile by nature of the ultrafiltration step, is then freeze concentrated using known technology. The solids containing stream is sterilized by pasteurization or other known means, concentrated if desired, then mixed with the concentrate leaving the freeze concentrator.

Inskeep
8-16-82 Disclosure file opened.
9-8-82 K&S requested to do patentability search.
10-11-82 Search results received, reviewed, and forwarded to inventor for review.

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1121 STIFFENING AGENT FOR TOBACCO

bl000015338

N. Rainer and D. Siwiec
Tobacco Fundamentals/Watson/Turano

Object: a strengthening binder for reconstituted sheet products. A stiffening agent for cut tobacco. An adhesive for applying CT to tobacco.

Inskeep
8-27-82 Disclosure file opened; memo to inventors requesting examples and details when available.

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Source: https://www.industrydocuments.ucsf.edu/docs/jqbj0000

1122 METHOD AND APPARATUS FOR USING SMALL LAMINA TOBACCO IN CIGARETTES

C. Bates, S. Giddings, A. Roberts, and L. Turano
Tobacco Product Standards
Process Development

A method and apparatus for adding small lamina tobacco to cigarettes is disclosed. The small lamina recovered from the tobacco threshing process is passed through a 4 mesh screen to remove large particles, passed over a 16 mesh screen to remove dust and undersized particles, passed through a separator to remove veins, stems, and fibers, passed over a weighbelt, and then mixed with cut dried filler tobacco.

FILED Blish

8-31-82	Disclosure file opened.
9-1-82	First draft completed--to inventors for review.
10-1-82	Redraft completed--to inventors/management for review.
11-9-82	Final draft to inventors for review.
12-16-82	Shaw conference with Roberts, Woods, and Bates re inventorship.
11-17-82	Executed and mailed to PTO.

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1123 TOBACCO BALE STEAM INJECTION

R. Smith
Engineering/Kay/Taylor

A method and apparatus for steam injection of tobacco bales for use in the opening process. In the apparatus, at least one orificed steam injection plate is brought in flush contact with a tobacco bale that is stationary or in motion and steam is caused to emit from the orifice and is thereby injected into the bale moistening, conditioning and loosening the bonds between the tobacco leaves. In the method, as the tobacco bale is conveyed past the steam injection orifice plate, the plate is moved in flush contact therewith, steam is supplied to the plate and emits therefrom through the orifices to penetrate the tobacco bale. The bale so conditioned is subsequently broken up by a rotating cylinder.

FILED Gregory

9-16-82	Disclosure file opened.
10-20-82	In-house search completed.
11-9-82	Filed in PTO.

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Φ0000153339

Source: https://www.industrydocuments.ucsf.edu/docs/qbj0000

1124 FILTER CIGARETTE

M. Hausermann
R&D

A filter cigarette is provided which is adjustable to provide a wide range of air dilution values and which comprises a tobacco rod, a wrapped substantially cylindrical filter plug, and air transmissive tipping paper. The filter plug comprises a first mouth-end segment and a second, axially aligned, abutting rod-end segment which are joined such that the first segment is rotatable about the common axis. The second segment abuts and is joined to the tobacco rod. The wrapping is substantially air impermeable and has a plurality of first longitudinally extending, substantially air impermeable depressions spaced about the circumference of the first segment which are registrable with corresponding second, longitudinally extending, substantially air impermeable depressions spaced about the circumference of the second segment, such that as the first segment is rotated relative to the second segment, the degree of registry of the first and second depressions varies, thereby admitting varying amounts of air to the filter.

FILED Sarofeen/F&N/Shaw

9-16-82	Disclosure file opened.
9-23-82	First draft received.
10-5-82	Redraft received--to inventor for review.
10-25-82	Redraft to management for review.
11-2-82	Executed and mailed to F&N for filing.

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1127 SMOKING COMPOSITIONS

K. Podraza and Y. Houminer
Chemical Research/Sanders/Osdene

This invention provides smoking compositions which contain a monocarbonate ester compound as a flavorant additive. In one of its embodiments, this invention provides tobacco compositions which contain a monocarbonate ester flavorant additive such as 1-phenoxycarbonylosy-3-propanol. Under cigarette smoking conditions this monocarbonate ester pyrolyzes into phenol and other products which flavor the mainstream and sidestream smoke.

Inskeep/D&O

10-8-82	Disclosure file opened.
10-14-82	Disclosure discussed with Depaoli.
10-27-82	Disclosure to D&O for application preparation.
12-20-82	Draft application received--to inventors for review.

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Φ0000153340

Source: https://www.industrydocuments.ucsf.edu/docs/jqbj0000

1128 OVERHEAD PACK MERCHANDISER

PM Inc./F. Newman

A vertically adjustable display cabinet which is in the form of an elongated housing which is movable vertically on a pair of spaced legs. Movement is effected by a pair of rack and pinion gears which are spaced and interconnected by means of a shaft interconnecting the pinions. A leaf spring which is adapted to be wound and unwound on a pair of reels, functions to compensate for the weight of the structure. Adjustment of the elevation of the housing is accomplished by means of a hand crank.

Blish/F&N

10-8-82	Disclosure file opened.
10-12-82	K&S patentability search requested.
11-12-82	Search results received.
12-23-82	Disclosure and search results to F&N for evaluation and application preparation.

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1129 APPLICATION OF ABIENOL TO TOBACCO LEAF

R. Southwick, R. Izac, D. Teng, and H. Grubbs
Chemical Research/Sanders/Osdene
Biomaterials Science/Whidby/Farone

Application of abienol, a diterpene found in Oriental tobaccos, to bright tobacco varieties to alter flavor properties.

Inskeep

9-28-82	In-house search completed.
10-8-82	Disclosure file opened.

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1130 ACYLPYRAZINES AS SMOKING COMPOSITIONS

D. Williams, R. Southwick, and Y. Houminer
Chemical Research/Sanders/Osdene

Inskeep/D&O

10-14-82	Subject discussed with Depaoli during visit.
10-21-82	Disclosure memo from inventors.
11-4-82	Letter from Depaoli recommending preparation of an application.
11-11-82	Disclosure file opened; Depaoli instructed to proceed with application preparation.

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ϕ00015341

Source: https://www.industrydocuments.ucsf.edu/docs/jqbj0000

1131 ROTARY BEAM CHOPPER WITH INFINITE DUTY CYCLE SETTINGS

P. Martin
Physical Research/Kassman/Farone

Sarofeen/F&N/Giannetti
11-11-82 Disclosure file opened.
12-17-82 Preliminary draft by GMJS completed--to F&N for finalization.

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1132 HEATED PRINT HEAD FOR CODING CARTONS

W. David and R. Thatcher
Engineering/Tew/Kay/Taylor

Application of a heated print head for coding cartons having heat sensitive ink coatings, and for near invisible coding on poly films.

Sarofeen/F&N/Diana
11-11-82 Disclosure file opened.
12-15-82 Given to Diana during visit for application preparation.

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1133 SLITTER ADVANCE UNIT

M. Garthaffner
Engineering/Tew/Kay/Taylor

Sarofeen/F&N/Diana
11-11-82 Disclosure file opened.
12-15-82 Given to Diana during visit for application preparation.
12-16-82 Letter from Diana with questions.
12-28-82 Memo to Kay requesting layout and detailed drawings.

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1134 DEVICE FOR ADDING ANNULAR SLIT TO FILTER RODS

G. Fleischhauer and R. Honaker
Engineering/Tew/Kay/Taylor

Sarofeen/F&N/Diana
11-11-82 Disclosure file opened.
12-15-82 Given to Diana during visit for application preparation.

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Source: https://www.industrydocuments.ucsf.edu/docs/jqbj0000

1135 PNEUMATIC HEAT SEALER BAR FOR FILM

R. Thatcher
Engineering/Tew/Kay/Taylor

Sarofeen/F&N/Diana
11-11-82 Disclosure file opened.
12-15-82 Given to Diana during visit for application preparation.

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1136 TOWER DISPENSER

D. Evers
Engineering/Tew/Kay/Taylor

Schardt
12-13-82 Disclosure file opened.
12-15-82 Meeting with R. Matthews, JES and inventor; Matthews to do right-to-use search.

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